IN THE CLAIMS:

Claims 6, 11, 15, 16, 26, and 29 have been cancelled. Claims 1, 3- 4, 7 –

10, 12, 17 – 25, 27 – 28, and 30 have been amended, as follows:

1. (currently amended) A method of providing location-based services to a

wireless device using a hotspot access point, comprising:

establishing a connection between the wireless device and the hotspot access

point; and

providing information associated with the physical location of the hotspot access

point to the wireless device,

making a hand-off of the wireless device to a second hotspot access point; and

providing narrowed information to the wireless device associated with a physical

location of the second hotspot access point based upon the direction of travel of the

wireless device.

2. (original) The method of claim 1, further comprising:

identifying the hotspot access point with which the wireless device is connected;

and

determining information associated with the physical location of the access point

using the identification of the hotspot access point in a look-up database.

3. (currently amended) The method of claim 1, further comprising including

providing security for the location-based services according to a mode of security of a

plurality of security modes, the mode having associated therewith routing identification

information.

4. (currently amended) The method of claim 3, wherein the routing identification information is an IP address and providing security ~~comprises~~ includes routing the location-based services through the IP address using security identified with the mode of security.

5. (original) The method of claim 1, wherein the access point is a wireless LAN access point device.

Claim 6 (cancelled).

7. (currently amended) The method of claim 1, further ~~comprising~~ including providing synchronization of the wireless device to any one of an e-mail, calendar, task list or contact application associated with the user/device identification information.

8. (currently amended) A method of securing services provided through a hotspot access point, comprising:

establishing a connection between a wireless device and the hotspot access point;

determining user/device identification information associated with the wireless device;

identifying a mode of security from a plurality of security modes for the services using the user/device identification information, the identified mode of security having associated therewith routing identification information; and

providing the services according to the identified mode of security using the routing identification information through the hotspot access point to the wireless device.

9. (currently amended) The method of claim 8, wherein the routing identification information is an IP address and providing the secure services ~~comprises~~ includes routing the services through the IP address according to the identified mode of security.

10. (currently amended) The method of claim 9, wherein the plurality of security modes ~~comprises any one of a~~ includes private, public [[or]] and personal modes.

Claim 11 (cancelled).

12. (currently amended) ~~The method of claim 11,~~

A method of billing services provided through a hotspot access point, comprising:

establishing a connection between a wireless device and the hotspot access point;

determining user/device identification information associated with the wireless device; and

billing usage of the services through the access point by the wireless device according to a mode of billing identified by the user/device identification information,

wherein the mode of billing ~~comprises any one of a~~ business, public, [[or]] and personal modes, wherein the private mode ~~comprises~~ includes billing a business entity other than an actual user of the wireless device or a service provider associated with the wireless device or the actual user of the wireless device, the public mode ~~comprises~~ includes billing the actual user of the wireless device, and the personal mode ~~comprises~~ includes billing the service provider associated with the wireless device.

13. (original) A method of providing access to an application through a hotspot access point, comprising:

establishing a connection between a wireless device and the hotspot access

point;

determining user/device identification information associated with the wireless

device; and

synchronizing the wireless device to any one of an e-mail, calendar, task list or

contact application associated with the user/device identification information.

14.   (original) The method of claim 13, further comprising providing

information associated with the physical location of the hotspot access point to the

wireless device.

Claims 15 and 16 (cancelled).

17.   (currently amended) ~~The system of claim 15,~~

A system of providing location-based services to a wireless device using a

hotspot access point, comprising:

the hotspot access point to establish a connection between the wireless device

and a hotspot access point network;

location-based services server to provide information associated with the

physical location of the hotspot access point to the wireless device; and

~~further comprising~~ an authorization server to provide security for the location-

based services according to a mode of security of a plurality of security modes, the

mode of security having associated therewith routing identification information.

18. (currently amended) The system of claim 17, wherein the routing

identification information is an IP address and the authorization server facilitates routing

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the location-based services through the IP address using security identified with the

mode of security.

19. (currently amended) The system of claim [[15]] 17, wherein the access point

is a wireless LAN access point device.

20. (currently amended) The system of claim 17, wherein the location-based

services server:

makes a hand-off of the wireless device to an other a second hotspot access

point;

narrows the information provided to the wireless device with respect to the

physical location of the second hotspot access point based upon the direction of travel

of the wireless device; and

provides the narrowed information associated with the physical location of the

other second hotspot access point to the wireless device.

21. (currently amended)   The system of claim [[15]] 17, further comprising

including an exchange server to provide synchronization of the wireless device to any

one of an e-mail, calendar, task list or contact application associated with the

user/device identification information.

22. (currently amended) A computer program product including computer

program code, the computer program code having instructions, which when executed

[[to]] cause a computer to perform a method of providing location-based services to a

wireless device using a hotspot access point, the method comprising:

establish[[ing]] a connection between the wireless device and the hotspot access

point; and

~~providing~~ provide information associated with the physical location of the hotspot

access point to the wireless device,

making a hand-off of the wireless device to a second hotspot access point; and

providing narrowed information to the wireless device associated with a physical

location of the second hotspot access point based on the direction of travel of the

wireless device.

23. (currently amended) The computer program product of claim 22, ~~the~~

~~method further comprising~~ having instructions, which when executed, cause the

computer to:

identify[[ing]] the hotspot access point with which the wireless device is

connected; and

~~determining~~ determine information associated with the physical location of the

access point using the identification of the hotspot access point in a look-up database.

24. (currently amended) The computer program product of claim 22, ~~the~~

~~method further comprising~~ having instructions, which when executed, cause the

computer to:

~~providing~~ provide security for the location-based services according to a mode of

security of a plurality of modes of security, the mode of security having associated

therewith routing identification information.

25. (currently amended) The computer program product of claim 24, wherein

the routing identification information is an IP address and providing security ~~comprises~~

includes routing the location-based services through the IP address using security

identified with the mode of security.

Claim 26 (cancelled).

27. (currently amended) A computer program product including computer program code, the program code having instructions, which when executed, to cause a computer to ~~perform a method of securing services provided through a hotspot access point, the method comprising~~:

establish[[ing]] a connection between a wireless device and the hotspot access point;

~~determining~~ determine user/device identification information associated with the wireless device;

identify[[ing]] a mode of security of a plurality of modes of security for the services using the user/device identification information, the mode of security having associated therewith routing identification information; and

providing the services according to the mode of security using the routing identification information through the hotspot access point to the wireless device.

28. (currently amended) The computer program product of claim 27, wherein the routing identification information is an IP address and providing the secure services ~~comprises~~ includes routing the services through the IP address according to the identified mode of security.

Claim 29 (cancelled).

30. (currently amended) ~~The computer program product of claim 29,~~ A computer program product including computer program code, the computer program code having instructions, which when executed, to cause a computer to:

establish a connection between a wireless device and the hotspot access point;

determine user/device identification information associated with the wireless

device; and

bill usage of the services through the access point by the wireless device

according to a mode of billing identified by the user/device identification information,

wherein the mode of billing comprises any one of a business, public, [[or]] and

personal modes, wherein the private mode comprises includes billing a business entity

other than an actual user of the wireless device or a service provider associated with

the wireless device or the actual user of the wireless device, the public mode comprises

includes billing the actual user of the wireless device, and the personal mode comprises

includes billing the service provider associated with the wireless device.

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